

APR 10 2009

Application No. 10/526,033

2

Docket No.: S1022,81211US00

Proposed Claim Amendments

1. (Proposed amendment) A communication ~~Communication~~ process~~[[,]]~~ comprising the following steps:

- ~~supply of providing~~ a cell phone ~~having a body; fitted with a body;~~
 - ~~fitted~~ a removable battery ~~for providing~~ adapted to provide primary electrical power to the ~~body of the~~ cell phone, ~~the removable battery having~~ at least one antenna ~~fixed directly to the~~ removable battery, and at least two pins connected to the antenna;
 - ~~supply of~~ coupling a smart card ~~to the cell phone;~~ the smart card comprising at least two surface pins ~~with and the smart card having a chip supplied with; comprising at least two surface pins;~~ a processing module~~[[;]]~~ and a radio-frequency interface, ~~the radio-frequency interface being~~ associated with the processing module and ~~being~~ connected to the surface pins of the ~~smart~~ card, ~~wherein the antenna of the cell phone is external to the smart card;~~
 - ~~coupling~~ the surface pins of the ~~smart~~ card ~~being coupled~~ to the pins of the cell phone; and
 - ~~transmission of~~ ~~transmitting~~ electrical signals between the surface pins of the ~~smart~~ card and the antenna;
- ~~wherein~~
- ~~the antenna is fixed directly to the removable battery for providing primary electrical power to the cell phone and external to the smart card.~~

2. (Proposed amendment) The process ~~Process~~ according to claim 1, wherein coupling a smart card to the cell phone comprises coupling a smart card ~~the supplied chip is in the format given formatted in ISO standard 7816-2 and coupling~~ ~~wherein the surface pins of the card are being~~ pins C4 and C8 to the pins of the cell phone.

3-6. (Canceled)

Application No. 10/526,033

3

Docket No.: S1022.81211US00

7. (Previously presented) A cell phone with a body, a removable battery for providing primary electrical power to the cell phone, an antenna, and a coupling interface coupleable to a smart card, wherein:

- the coupling interface has two pins coupleable to surface pins of a smart card; and
- the pins of the cell phone are connected to the antenna; and
- the antenna is fixed directly to the removable battery for providing primary electrical power to the cell phone.

8. (Previously presented) The cell phone according to claim 7, wherein:

- the pins on the equipment can be coupled to pins C4 and C8 of a smart card in the ISO standard 7816-2 format.

9-10. (Canceled)

11. (Previously presented) The cell phone according to claim 7, wherein:

- the cell phone is a PDA.

12-15. (Canceled)

16. (Previously presented) A cell phone according to claim 7, wherein the antenna is active.

17. (Proposed amendment) A communications process comprising:

providing a cell phone ~~having comprising~~ an antenna adapted to transmit ~~and/or~~ and receive signals for use by the cell phone, the cell phone further comprising and a removable battery for that provides providing primary electrical power to the cell phone, wherein the antenna being is fixed directly to the removable battery for providing primary electrical power to the cell phone;
providing coupling a smart card having a chip, a contact, a processing module, and a radio-frequency interface to the cell phone;

1839136.1

Application No. 10/526,033

4

Docket No.: S1022.81211US00

~~associating the radio-frequency interface associated with the processing module;~~
~~connecting the radio-frequency interface with and connected to the contact;~~
~~connecting the contact of the smart card to the antenna, with the contact being connected to the antenna; and~~
transmitting electrical signals between the smart card and the antenna via the contact.

18. (Proposed amendment) The process of claim 17, wherein coupling a smart card ~~comprises further comprising:~~ providing the smart card with at least two unused surface contacts, wherein the process further comprises: ~~and~~ transmitting electrical signals between the at least two unused surface contacts and the antenna.

19. (Proposed amendment) The process of claim 18, ~~wherein providing~~ coupling the smart card with the at least two unused surface contacts comprises:
providing the smart card in ISO standard 7816 format; and
providing the contacts as contacts C4 and C8 as defined by ISO standard 7816.

20. (Previously presented) A communication system comprising:
a smart card having a radio-frequency interface;
a cell phone communicating with the smart card, the cell phone having an antenna adapted to transmit and/or receive signals for use by the cell phone, the radio-frequency interface of the smart card connected to the antenna of the cell phone wherein signals from the radio-frequency interface are transmitted to the antenna of the cell phone to increase a communication range of the smart card; and
a removable battery electrically coupleable to the cell phone for providing primary electrical power to the cell phone, the antenna being fixed directly to the removable battery for providing primary electrical power to the cell phone.

1639136.1

Application No. 10/526,033

5

Docket No.: S1022.81211US00

21. (Previously presented) The system of claim 20, further comprising at least two unused surface contacts, wherein the radio-frequency interface of the smart card is connected to the antenna via the at least two unused surface contacts.

22. (Previously presented) The system of claim 21, wherein the smart card is in ISO standard 7816 format and wherein the contacts are C4 and C8 as defined by ISO standard 7816.

23. (Canceled)

24. (Previously presented) The system of claim 20, wherein the cell phone is a PDA.

25-27. (Canceled)

If the Examiner has any questions concerning the foregoing, the Examiner is invited to contact the undersigned at the number listed below.

Dated: April 10, 2009

Respectfully submitted,

By 

Kuangshin Tai, Ph.D.

Registration No.: 62,733

WOLF, GREENFIELD & SACKS, P.C.

Federal Reserve Plaza

600 Atlantic Avenue

Boston, Massachusetts 02210-2206

617.646.8000

1639136.1